

Titusville Morning Herald.

Titusville, Tuesday, Oct. 16, 1865.

LOCAL MATTERS.

For afternoon Telegraphic Dispatches, see second page.

Spaniard Escapes 'M' Jeff Davis. The latest information is that Jeff Davis has escaped from the Federal authorities, and is now on the ocean, bound for Nassau. The report comes from a Washington correspondent of a New York newspaper.

It is stated that J. D. disguised himself as a stevedore and passed out of the fortress unperceived, got aboard a foreign steamer and is now scudding for a foreign port. The public will await the authentication of the rumors with impatience. It is doubtless a hoax.

Statement of the Indebtedness of the United States. We are in receipt of the latest edition of the statement of the public indebtedness of the United States, published by Carter, Penn & Co. Bankers, 19 and 21 Wall Street, New York. It is valuable for reference to the business public and those interested in Government securities, the purchase and sale of which is a special branch of the banking business of Carter, Penn & Co.

The statement gives the dates and amounts of the several acts under which the obligation has been incurred, the length of the loan, the date when redeemable, the amount authorized and issued, outstanding, &c. It gives rates of interest, which the outstanding debt of the Government on the 31st of March, 1861, was \$65,327,569, and that the outstanding debt on the 30th of September, 1865, was \$2,834,613,071.77 and that the sum and currency in the Treasury at the latter date was \$88,377,239.50. The total net interest on the public debt is \$101,704,773.50. The paper in circulation amounts to \$70,469,624.70. This statement has been prepared with great care by Mr. C. P. Barnes, now connected with the banking house of Carter, Penn & Co., and formerly Superintendent of the Loan Branch of the United States Treasury. This house receives deposits, makes collections, and executes orders for banks, bankers and others, and gives interest at the rate of four per cent, per annum, crediting monthly, on all accounts whose balance shall not have fallen below \$1,000 at any time during the month.

Condition of W. T. Bradford. This gentleman was so severely wounded in the battle of the 14th instant, returned to his home at Jamestown, N. Y., yesterday. He was accompanied by his wife and Mr. M. B. Botsford, his brother. On Saturday last he was removed on a stretcher to Shafer, came to this place on the noon train, and was conveyed to the residence of Mr. Franklin Brad, on Franklin street, where he remained till he resumed his journey home, as before stated. We called upon him, and were pleased to find him convalescent.

He expresses his grateful acknowledgments to all his friends and family, of the Sustentum Insurance, for their assistance and attention, also, to Dr. W. P. Phifer, of Phifer whose professional skill and care have been of the highest service. It is thought that his wounds will heal in the course of six weeks. His face is not disfigured, with the exception of a gash over the right eye-brow, his brows having been pulled upon the crown and back part of the head. The lower part of the skull is slightly fractured, and the removal of the latter by surgery exhibits the terrible violence and frequency of the strokes of the murderous club and stones. The sloping of his wounds will reveal cavities of the circumference of a tea cup. The arms and hands which are raised above his head to shield it, are still severely bruised and disfigured.

We gathered some additional particulars which were not yet apparent in print. The stone which was buried at his head by the murderer is at the police-office, and weighs about ten pounds. The club with which the blow was struck was a 1½ lb. mace, fresh cut, as intended to execute a full purpose, and of the size of a common umbrella.

It was found upon the ground in the woods, in the direction of Patroon Centre, about six or seven rods from the scene of the encounter, and is now in the possession of the sheriff.

The black slouch hat worn by Mr. Botsford and carried off by his assailant, was also found near the foot of a tree, in the direction of Phifer's residence.

It has been stated that Mr. B. and the stronger party for the distance of sixty rods, the latter following behind and seeking while Mr. Bradford, conversing with the stranger inquired the (Botsford) Mr. Bradford, and said that he had met Mr. B. at the hall of Phifer the night before.

It so happened that Mr. P. left Phifer's residence on the same morning, going by way of City instead of Bluff. Doubtless the road knew of Mr. P.'s contemplated journey, and in lying in wait to intercept him had been taken a path to catch the slower train.

Fortunate for millionaire George, that he did not direct his steps into those secret woods on that fatal Saturday, where this devil, who struck his elbow at the Phifer hall, was squatting in his club in the wintergreen bushes, watching with ashen eye, for the approach of his insatiable victim!

He spared the eyes of the murderer, as he fell upon him, as glaring with deadly fury. As near as could be seen his appearance, that of a tempest, black stonish, dark coat, no vest, light pants.

He was strange, with what truth cannot be told, that he had lived in India, and served the Army of the Potowmick, and the Chamber

OF POKES.—The coopers in this city struck for higher wages, demanding \$4.50 a day, in place of \$4, which they were previous to. The strike appears to be uniform and active, but, it being the duration of the year, the employers refuse to yield to it.

New Well on Watson's Estate. A new well struck on Watson's estate yesterday noon. It is the Ellsworth Well, No. 3, and is next to the house well. It pumps at the rate of one barrel of oil a day, and is the largest well in the place.

FORMATION WANTS of John Trumbull, of Boston, New York, who came to Titusville three months ago, for the purpose of forming an oil refinery. His family would be very glad for any information concerning his interests. Communications may be addressed to the editor of THE HERALD, or to Miss Fance, Rochester, New York.

Advertisement to be seen and read in our newspaper, Monroe Street near depot.

Estimating Oil.

The process of refining oil has become so exact that it may be interesting to many who have never been inside of an oil refinery to know a little concerning it.

The crude petroleum as it is received from the wells, being first introduced into the tanks or reservoirs for receiving it, is then conducted into the stills, holding about 1,000 or 1,500 gallons each. The stills are made of boiler plate iron which is found to be better than iron which is liable to warp and crack from the heat of the heat. The carbonous particles form an insulation on the inside which ought to be removed by a pick or sharp instrument for the purpose of the still soon burns out.

The contents of the still are washed off in about 24 hours, the following crudely refined oil to 200 or 300 deg. F. From the head of the still, the vapor passes through the walls of the condenser, which in the latter part of the distillation is not allowed to descend sufficient for the purpose to condense it to this point, by causing obstruction under the explosion of the still. By the proper regulation of the temperature of the water surrounding the worm, however, any flow of oil will go out from the foot of the worm. The quantity obtained is about 10 per cent. of that introduced into the stills, and although not in this amount of impurity the oil is still of a creosote hue, and retains some of its peculiar odor.

The next process is the cleaning of the still with sulphuric acid. This is called the "burning" of the still. The oil is transferred to large wrought iron cylinders, called agitators, each cylinder containing 3,000 gallons each and for each barrel of oil one-half gallon sulphuric acid. The mixture is violently agitated by the insertion of a 2 inch pipe, through which is forced air, a current of compressed air which keeps the whole in state of violent combustion. This having been kept up for some time, and the mixture being at a point to remove a considerable portion of the impurities settle with the oil to the bottom from which they are drawn off leaving the purity refined oil in the tanks with some acid and impure still adhering to it. These are usually removed by washing again with water, and again, after a course of some hours, drawing off the water which has collected in the bottom.

After this a portion of sodas is introduced to the oil in the tanks, and it undergoes the same process of agitation as with the acid. The sediment being drawn off the operation is again repeated, until the oil is then submitted to the heat of the fire to test the temperature at which the oil will ignite. The best illuminating oil should ignite at a temperature of 115 deg. to 120 deg. F., otherwise it burns with a dim light. If it ignites at 110 deg. it contains too much benzine, and is liable to explode. At the same process is completed, the residue is sold here for \$8 per barrel for illuminating purposes, excepting about 2 per cent., which goes to waste.

In regular cylinders the oil undergoes a second distillation, the first product of which is very light oil, which, if at first somewhat discolored, is soon succeeded by a liquid oil, that continues with very little variation except that it gradually becomes heavier and includes all that distillate below the specific gravity of 0.820. The residue which succeeds this are the heavy oils, including which pass into the last product of illuminating oil.

Our Metal Works—Brown & Hall's Minstrels performed at Crittenden Hall last evening to a crowded house. The performance was well up and elicited much applause. It will be repeated this evening.

Our Metal Works—Brown & Hall's Minstrels will perform on Wednesday morning, 18th inst. We are requested to invite those of our citizens who may desire to accompany the gentlemen on their tour of inspection through the oil regions to meet them at the railroad station.

Our Metal Works—The Exhibit will arrive here on a special train on Wednesday morning, 18th inst. We are requested to invite those of our citizens who may desire to accompany the gentlemen on their tour of inspection through the oil regions to meet them at the railroad station.

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